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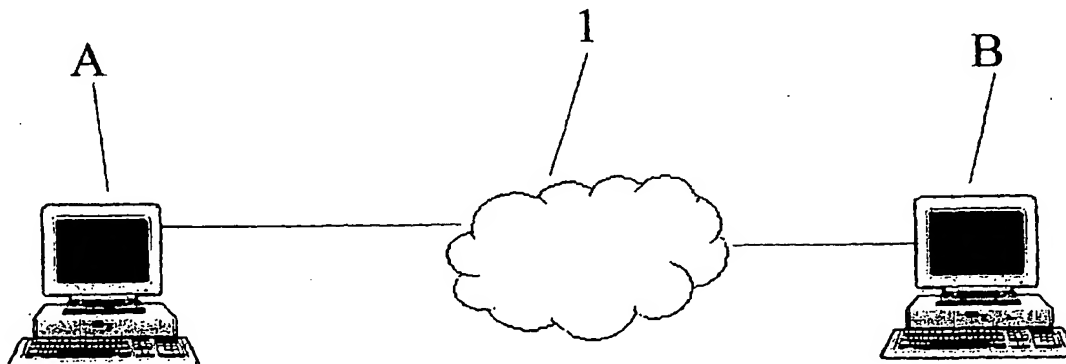
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(54) Title: A METHOD OF DETERMINING A TIMING OFFSET BETWEEN A FIRST CLOCK AND A SECOND CLOCK IN
A COMMUNICATIONS NETWORK



(57) Abstract: A system for determining a timing offset between a first clock and a second clock at respective first and second points in a communications network. A series of request signals is transmitted from the first point in the network to the second point in the network. A series of reply signals is transmitted from the second point in the network to the first point in the network. Each reply signal and a corresponding reply signal having a minimum round trip delay time are identified and a minimum single leg delay time is determined from the minimum round trip delay time. A timing offset between the clock values of the first clock and the second clock at a first instance is estimated, the estimation being based upon the minimum single leg delay time, and a transmission time and a reception time of one of the identified request signal and the corresponding reply signal, as given by the respective clocks at the transmission and reception points of the signal.

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